

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 May 2005 (26.05.2005)

PCT

(10) International Publication Number
WO 2005/046344 A2

(51) International Patent Classification⁷: A23C

(21) International Application Number:
PCT/NZ2004/000289

(22) International Filing Date:
15 November 2004 (15.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
529554 14 November 2003 (14.11.2003) NZ

(71) Applicants and

(72) Inventors: **ELSTON, Peter, Dudley** [NZ/NZ]; Fonterra Research Centre, Dairy Farm Road, Palmerston North (NZ). **BUWALDA, Robbie, John** [NZ/NZ]; Fonterra Research Centre, Dairy Farm Road, Palmerston North (NZ). **SMITH, Daniel** [NZ/NZ]; Fonterra Research Centre, Dairy Farm Road, Palmerston North (NZ). **DAVEY, Graham, Peter** [NZ/NZ]; Fonterra Research Centre, Dairy Farm Road, Palmerston North (NZ). **FITZSIMONS, Warren, John** [NZ/NZ]; Fonterra Research Centre, Dairy Farm Road, Palmerston North (NZ).

(74) Agents: **CALHOUN, Douglas, C et al.**; A J Park, 6th Floor Huddart Parker Building, Post Office Square, P O Box 949, Wellington, 6015 (NZ).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Burasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DAIRY PRODUCT AND PROCESS

(57) Abstract: The invention provides a process for preparing cheese comprising: (a) providing a protein concentrate, (b) providing a flavour concentrate using at least one strain of organism, (c) mixing the protein concentrate with a source of fat and/or liquid if required and heating to form a coagulated cheese mass, (d) adding the flavour concentrate before, during or after step (c). The method allows rapid production of flavoured cheeses.

WO 2005/046344 A2